				(0	SPRINKLE	NKLER HEAD SCHEDULE	CHEDUL	III			
						DISCHARGE			MANUFACTURER	TURER	
SYMBOL	TYPE	STYLE	RESPONSE	COVERAGE	COLOR	COEFFICIENT (K)	ORIFICE	TEMPERATURE	MODEL	SIN	REMARKS
	DENIDENT		2	STANDADD	WITE	л Б	1/0"	355 T °	VICTAULIC	JLIC	
•		OFMITATIONS	& CICN	O ANDAND	WIIII	3.0 N	11/2	133 F	V38	V3802	!
)	THOIGHT	EXBOSED	OLIIOK	CAVUINALS	BBASS	7 S K	1/2"	122 E°	RELIABLE	BLE	
(0	LAFOGED	& Olov		בואטט	0.0 10	112	1001	F1FR	R3625	•
NOTE: FINAL COL	OR SELECTION TO BE A	NOTE: FINAL COLOR SELECTION TO BE APPROVED BY OWNER PRIOR TO INSTALLATION	PRIOR TO INSTALLATIO	N							

			π	BACKFLOW	FLOW FREVENIER SCHEDOLE	SCHEDULE		
				BODY	TEMPERATURE	MAX WORKING	MANUFACTURER	
UNIT TAG	SIZE	LOCATION	SERVICE	MATERIAL	RANGE	PRESSURE	MODEL	REMARKS
BFP-1	2	PUMP HOUSE	FIRE PROTECTION - FILL	BRONZE	33°F MIN 140°F MAX	180	WATTS	1
							SERIES 909	

PROTECTION SPECIFICATIONS

DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED. THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES AND FIRE PROTECTION EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL FIXTURES. DEVELOP AND SUBMIT COORDINATION DRAWINGS. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK OF THIS SECTION AS SHOWN ON THE DRAWINGS AS SPECIFIED HEREIN, AND/OR AS REQUIRED BY JOB CONDITIONS.

THE WORK UNDER THIS SECTION SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE THE FIRE PROTECTION WORK AS INTENDED.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AS NECESSARY TO PROVIDE A COMPLETE INSTALLATION INCLUDING COORDINATION, SYSTEM CHECK OUT AND START UP ON EACH ITEM AND SYSTEM.

THIS CONTRACTOR SHALL INFORM HIMSELF FROM THE GENERAL CONSTRUCTION SPECIFICATIONS AND PLANS, OF THE EXACT DIMENSION OF FINISHED WORK AND OF THE HEIGHT OF FINISHED CEILINGS IN ALL ROOMS WHERE EQUIPMENT OR PIPES ARE TO BE PLACED AND ARRANGE HIS WORK IN ACCORDANCE WITH THE SCHEDULE OF INTERIOR FINISHES, AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

MANUFACTURER'S QUALIFICATIONS: FIRMS REGULARLY ENGAGED IN THE MANUFACTURER OF FIXTURES, APPLIANCES, PIPES AND PIPE FITTINGS OF TYPES AND SIZES REQUIRED, WHO'S PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS.

MATERIAL QUALIFICATIONS: SHALL CONFORM TO ALL LOCAL, STATE, AND NATIONAL/FEDERAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THESE SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.

FINISHED SPACES: SPACES OTHER THAN MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, FURRED SPACES, PIPE CHASES, AND UNHEATED SPACES IMMEDIATELY BELOW ROOF, SPACES ABOVE CEILINGS, UNEXCAVATED SPACES, CRAWLSPACES, AND TUNNELS. EXPOSED, INTERIOR INSTALLATIONS: EXPOSED TO VIEW INDOORS. EXAMPLES INCLUDE FINISHED OCCUPIED SPACES AND MECHANICAL EQUIPMENT ROOMS.

CONCEALED, INTERIOR INSTALLATIONS: CONCEALED FROM VIEW AND PROTECTED FROM PHYSICAL CONTACT BY BUILDING OCCUPANTS. EXAMPLES INCLUDE ABOVE CEILINGS AND IN CHASES.

STEEL SUPPORT WELDING: QUALIFY PROCESSES AND OPERATORS ACCORDING TO AWS D1.1, "STRUCTURAL WELDING CODE--STEEL."

STEEL PIPE WELDING: QUALIFY PROCESSES AND OPERATORS ACCORDING TO ASME BOILER AND PRESSURE VESSEL CODE: SECTION IX, "WELDING AND BRAZING QUALIFICATIONS."

CERTIFY THAT EACH WELDER HAS PASSED AWS QUALIFICATION TESTS FOR WELDING PROCESSES INVOLVED AND THAT CERTIFICATION IS CURRENT. COMPLY WITH PROVISIONS IN ASME B31 SERIES, "CODE FOR PRESSURE PIPING."

DELIVERY, STORAGE, AND HANDLING

DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE.

PREPARE AND SUBMIT COORDINATION DRAWINGS

COORDINATION

CLOSELY SCHEDULE THE WORK SO THAT WORK WILL BE INSTALLED AT THE PROPER TIME WITHOUT DELAYING THE COMPLETION OF THE ENTIRE PROJECT.

WHERE THE WORK WILL BE INSTALLED IN CLOSE PROXIMITY TO THE WORK OF OTHER TRADES, OR WHERE THERE IS EVIDENCE THAT THE WORK WILL INTERFERE WITH THE WORK OF OTHER TRADES, ARRANGE SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF WORK IS INSTALLED BEFORE COORDINATING WITH OTHER TRADES, MAKE NECESSARY CHANGES TO THE WORK TO CORRECT THE CONDITION WITHOUT ADDITIONAL COST TO THE OWNER.

SHOP DRAWING SUBMISSIONS SHALL DEMONSTRATE KNOWLEDGE OF THE WORK OF OTHER TRADES, AND SHALL SHOW THE LOCATIONS OF THE WORK OF OTHER TRADES WHICH AFFECTS THE WORK OF THIS CONTRACT. PREPARE COMPLETE SET OF DRAWINGS SHOWING ALL NECESSARY SLAB OPENINGS AND STRUCTURAL SUPPORTS THAT REQUIRE STRUCTURAL FRAMING. DRAWINGS SHALL CLEARLY INDICATE SIZES AND LOCATION RELATIVE TO ESTABLISHED COLUMN LINES. DRAWINGS SHALL BE COMPLETED IN SUFFICIENT TIME TO ALLOW FOR STRUCTURAL STEEL FABRICATION SO AS NOT TO DELAY PROJECT SCHEDULE.

ARRANGE FOR PIPE SPACES, CHASES, SLOTS, AND OPENINGS IN BUILDING STRUCTURE DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR FIRE PROTECTION INSTALLATIONS.

COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED.

COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR FIRE PROTECTION ITEMS REQUIRING ACCESS THAT ARE CONCEALED BEHIND FINISHED SURFACES.

COORDINATION DRAWINGS

SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.

AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE OTHERS TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:

PLUMBING CONTRACTOR

ELECTRICAL WORK
MECHANICAL PIPING
SPRINKLER PIPING

PRIOR TO INCLUSION OF SPRINKLER PIPING AND EQUIPMENT CALCULATIONS TO ENGINEER FOR REVIEW AND TO RATING B CONTRACTOR SHALL HAVE SUBMITTED SPRINKLER PLANS AND JREAU FOR REVIEW.

THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COOR ASSISTANCE RELATIVE TO ACCEPTABILITY OF INSTALLATIONS RDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE

BY ALL TRADES SHALL BE REMOVED AND RE-INSTALLED IN

EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE F OR THE COORDINATION OF HIS SUB-CONTRACTORS

PROVIDE HYDRAULIC CALCULATION SUMMARY ON SHOP DRA

LABEL OCCUPANCY OF ALL SPACES. CLEARLY LABEL ALL PII

CONTRACTOR TO PROVIDE NEW (LESS THAN 1 YEAR OLD) WATER FLOW DATA WHICH SHALL BE UTILIZED TO HYDRAULICALLY CALCULATE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13.

MATERIALS (UL/FM APPROVED)

STANDARD WEIGHT BLACK STEEL (SCHEDULE 40) EXCEPT AS NOTED FOR SIZES 1" AND LARGER

SCHEDULE 10 BLACK STEEL PIPE MAY BE USED FOR SIZES 2' AND LARGER.

EXTERIOR PIPING

CAST IRON FLANGED, STANDARD WEIGHT, ANSI B-16.1. MALLEABLE IRON THREADED, STANDARD WEIGHT, ANSI B-16.3.

SOLDER JOINTS SHALL BE PERMITTED FOR EXPOSED WET PIPE SYSTEMS IN LIGHT HAZARD OCCUPANCIES WHERE THE TEMPERATURE CLASSIFICATION OF THE INSTALLED SPRINKLERS IS OF THE ORDINARY- OR INTERMEDIATE-TEMPERATURE CLASSIFICATION.

SOLDERING FLUXES SHALL BE IN ACCORDANCE WITH NFPA

BRAZING FLUXES, IF USED, SHALL NOT BE OF A HIGHLY CORROSIVE TYPE D

STANDARD WEIGHT GALVANIZED SCHEDULE 40, PACKED WI'WITH NFPA 13. TH FIRE AND SMOKE RESTRICTIVE MATERIAL IN ACCORDANCE

DRAIN AND TEST VALVES SHALL BE THREADED BRONZE ANO 300 PSI WATER PRESSURE GAUGE SIMILAR TO "AGF TESTAN CHECK VALVES, GROOVED END SWING CHECK WITH SPRING OS&Y GATE CONTROL VALVES, RESILIENT WEDGE TYPE WITH TAMPER SWITCH SIMILAR TO NIBCO F-607-OTS. GROOVED BUTTERFLY TYPE CONTROL VALVES WITH BUILT-IN TAMPER SWITCHES, SIMILAR TO NIBCO GD1765-8. 3LE OR GLOBE TYPE WITH COMPOSITION DISC, 300 PSI WITH 1/2" DRAIN".

PROVIDE CONTROL PANEL ACTUATING SYSTEM (PREACTION SHALL BE CAPABLE OF MULTI-ZONE DETECTION (EACH ROOI THE CONTROL PANEL

AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING ARE RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.

SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW FOR ACCEPTABILITY OF INSTALLATIONS.

ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF CONFORMANCE WITH COORDINATION DRAWINGS.

THE OVERALL COORDINATION OF THE COORDINATION PROC THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION THAT ARISE FROM THE COORDINATION PROCESS. DRAWING CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BE XESS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ON PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS SS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED AR ADDITIONAL COST.

PROVIDE A FULL HEIGHT BUILDING CROSS SECTION INCLUDING SPRINKLER RISER DIAGRAM. ING AND EQUIPMENT INCLUDING SIZES, MAKES, MODELS, ETC.

GALVANIZED PIPE FOR ALL DRAIN PIPING, TEST PIPING, PIPING BETWEEN FIRE DEPARTMENT CONNECTION AND VALVE AND FOR ALL DRY & DELUGE PIPING.

1. DUCTILE IRON, CEMENT LINED, CLASS 52 WITH PROPER RESTRAINTS

CAST IRON THREADED, STANDARD WEIGHT, ANSI B-16.4.

GROOVED END AND MECHANICAL TYPE, MALLEABLE IRON, WITH RUBBER SEALING GASKETS, SIMILAR TO VICTAULIC CO.

SLEEVES

CLAPPER ASSEMBLY SIMILAR TO CENTRAL MODEL 90.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL DETECTION, PULL STATIONS, ELECTRICAL DEVICES AND WIRING REQUIRED FOR COMPLETE AND PROPER INSTALLATION. PROVIDE AND INSTALL WIRING AND DEVICES AS REQUIRE FO

SYSTEM OPERATION: A MINIMUM OF TWO SMOKE DETECTORS SHALL BE INSTALLED IN EACH ROOM SERVED BY THE

PREACTION SYSTEM. THE SYSTEM SHALL ANNUNCIATE AT THE RELEASE PANEL AND AT THE FACP UPON THE OPERATION OF A SINGLE SMOKE DETECTOR, PULL STATION OR THE LOSS OF SUPERVISORY AIR PRESSURE. SYSTEM RELEASE SHALL DECUR UPON THE VERIFIED DETECTION (TWO SMOKE DETECTORS) WITHIN AN INDIVIDUAL ROOM OR WITH THE OPERATION DETA MANUAL PULL STATION.

WATERFLOW SWITCH, 24 VOLT WITH 2 SETS OF CONTACTS AND PNEUMATIC RETARD TO PREVENT FALSE ALARMS. TO POTTER MODEL VSR-F.

TAMPER SWITCHES TO OPERATE WITHIN TWO REVOLUTIONS OF VALVE WHEEL, SIMILAR TO POTTER MODEL

SPRINKLER HEADS

ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE, CAST BRASS, CLOSED, FUSIBLE LINK, SPRAY TYPE WITH 1/2" DISCHARGE ORIFICE. SPRINKLERS SHALL BE ORDINARY TEMPERATURE RATING, HIGHER TEMPERATURE HEADS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13.

IN ACCORDANCE WITH NFPA 13, PROVIDE EARTHQUAKE BRACING IN ADDITION TO CONVENTIONAL HANGER

HANGER RODS, CARBON STEEL, SIMILAR TO TOLCO FIG. 99, SIZED IN ACCORDANCE WITH NFPA 13.

ADJUSTABLE HANGER RINGS, CARBON STEEL WITH KNURLED SWIVEL NUT, SIMILAR TO TOLCO FIG.2.

- -PROVIDE AND INSTALL (2) 20,0000 GALLON FIBERGLASS, FIRE PROTECTION UNDERGROUND WATER STORAGE TANKS INCLUDING: 24" MANWAY, 36 " MANWAY EXTENSION, 6" FLANGED DISCHARGE, 6" VENT ASSEMBLY, 4" LOCKING REFILL WITH COVER, DOMESTIC FILL PIPING FITTINGS, TRAFFIC SLAB, ETC.
- WATER STORAGE TANKS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS INCLUDING: TYPE AND DEPTH OF BEDDING & BACKFILL MATERIAL, BURY DEPTHS, SEPARATION FROM ONE ANOTHER, ETC.
- TANKS SHALL BE SECURED WITH ANTI-FLOATATION ANCHORS.
- Ċ ALL GROUND PENETRATIONS SHALL BE COORDINATED AND INSTALLATION, INCLUDING: MANHOLE'S, VALVE CURB BOXES, ETC. APPROVED

TANK LEVEL SENSORS AND ALARMS - PROVIDE A COMPLETE SYSTEM OF SENSORS/ELECTRODES, CONTROL PANEL, ELECTRODE FITTING, REMOTE ALARM DEVICE, AND INTERFACE WITH FIRE PUMP CONTROLLER FOR LOW WATER LEVEL. CONTROLS AND SHALL BE COMPLETE WITH ONE COMMON GROUND ELECTRODE, ONE HIGH LEVEL ALARM ELECTRODE (DO NOT ANNUNCIATE HIGH LEVEL AT FIRE PUMP CONTROL PANEL), ONE LOW LEVEL ELECTRODE SET 12" AT BELOW FULL TANK LEVEL, ONE LOW WATER ELECTRODE SET AT 6" FROM TANK BOTTOM (ANNUNCIATED AT THE FIRE PUMP CONTROL PANEL), ELECTRODE HOLDERS, NEMA 1 PANEL, COMPLETE WITH, ALARM LIGHTS, AUDIBLE ALARM WITH SILENCING BUTTON, 120V/24V

ELECTRIC ALARM BELL;. 6", 24VDC, WITH WEATHERPROOF BACKBOX SIMILAR TO POTTER MODEL PBD246

REFER TO SPRINKLER HEAD SCHEDULE ON DRAWING.

INCLUDE SPARE SPRINKLER HEAD CABINET WITH SPRINKLER HEAD WRENCH(S). INSTALL HEAD GUARDS ON ALL EXPOSED SPRINKLERS SUBJECT TO MECHANICAL INJURY.

VALVE TAGS AND CHARTS

PIPING SUPPORT

PROVIDE DIAGRAMMATIC CHART LISTING ESSENTIAL FEATURES OF THE SYSTEM

1/2" ROUND BRASS WITH STAMPED TEXT ON ALL VALVES AND

TOP BEAM CLAMPS, SIMILAR TO TOLCO FIG. 65.

ADJUSTABLE CLEVIS HANGER, CARBON STEEL WITH NUT ABOVE AND BELOW CLEVIS, SIMILAR TO TOLCO FIG. 1.

MAXIMUM LOADING INCLUDING PIPE CONTENTS EQUALS 75% OF RATED CAPACITY. ALL HANGER MATERIAL SHALL BE GALVANIZED.

DRY PIPE VALVE

UL/FM AUTOMATICALLY OPERATED DIFFERENTIAL TYPE VALVE RATED FOR 175 PSI WORKING PRESSURE, FACTORY HYDROSTATICALLY TESTED TO 350 PSI. VALVE TO INCLUDE GALVANIZED BASIC TRIM, PRIMING CHAMBER, AND FILL LINE ATTACHMENTS, ELECTRIC SPRINKLER ALARM SWITCH AND DRAINS. SIMILAR TO RELIABLE MODEL D DRY PIPE VALVE ASSEMBLY WITH COMPLETE TRIM ASSEMBLY.

AIR COMPRESSOR: UL/FM, SINGLE STAGE, OIL-LESS, PERMANENTLY LUBRICATED, DIRECT DRIVE, ONE AIR FILTER PER CYLINDER, SAFETY RELIEF VALVE, THERMAL PROTECTION, BASE PLATE MOUNTED WITH NFPA APPROVED AUTOMATIC AIR MAINTENANCE DEVICE. SIZE DICTATED BY SYSTEM VOLUME. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR. AIR COMPRESSOR/ AIR MAINTENANCE DEVICE: GENERAL MODEL NO. OL-335 1/2 H.P. 115V AC, 1 PHASE.

- œ

Ō TANKS SHALL BE SIMILAR TO DARCO MODEL FRP-8D-15K (20,000 GALLONS)

FIRE STORAGE TANK MODULATING FLOAT VALVE: THE MODULATING FLOAT VALVE SHALL MODULATE TO MAINTAIN A CONSTANT LIQUID LEVEL IN THE FIRE STORAGE TANK BY COMPENSATING FOR VARIATION IN SUPPLY AND/OR DEMAND. THE VALVE SHALL BE CAPABLE OF CONTROLLING THE FLOW INTO THE TANK IN DIRECT RELATION TO THE FLOW THAT IS BEING WITHDRAWN FROM THE TANK. THE VALVE SHALL CLOSE ON A RISING LIQUID LEVEL IN THE FIRE SUCTION TANK. THE VALVE SHALL BE THE NO. 428XHI MODULATING FLOAT CONTROL VALVE AS MANUFACTURED BY CLA-VAL COMPANY AND AS DISTRIBUTED BY HARPER INTERNATIONAL, INC., GREENWICH, CT. (800) 551-2733. VALVE MODEL NO.: 1.5" NO. 428G-01XHI, 300S, BS, CFM-9 W/ 4' SS ROD & SS FLOAT

TRANSFORMER AND RELAYS. PROVIDE (1) SET OF DRY CONTACT FOR REMOTE ANNUNCIATION OF LOW WATER ALARM TO THE FIRE PUMP CONTROLLER. PROVIDE AND INSTALL STILLING WEL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. LEVEL CONTROL AND ALARM WIRING SHALL BE PROVIDED AND INSTALLED BY THIS SECTION. WARRICK CONTROLS, INC, OR B/W CONTROLS.

EXECUTION

PROVIDE ADDITION CONDITIONS. NAL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. WHERE REQI JIRED BY COORDINATION AND CONSTRUCTION

NO CLOSE NIPPLES, BUSHINGS, OR STREET ELBOWS PERMITTED

RUN PIPING PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND OTHER PIPING, NEATLY SPACED WITH PLUMB VERTICA PIPING. PROVIDE SPRINKLERS BELOW ALL EXPOSED DUCTS, COMBINATIONS OF DUCTS OR OTHER OBSTRUCTIONS EXCEEDING 4 FEET IN WIDTH.

NO FIELD WELDING PERMITTED. SHOP WELDING SHALL BE PERFORMED ONLY BY CERTIFIED WELDERS

TEST ALL UNDERGROUND AND INTERIOR PIPING IN ACCORDANCE WITH NFPA 13.

INSTALL SPRINKLER HEADS IN CEILING AREAS, CENTER OF TILE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF SPRINKLER HEADS. ARCHITECT TO DETERMINE FINISHES.

INSTALL SPRINKLERS THROUGHOUT ALL AREAS INCLUDING COMBUSTIBLE CONCEALED SPACES AND IN ACCORDANCE WITH OBSTRUCTION REQUIREMENTS SET FORTH IN NFPA 13.

DESIGN CRITERIA THE BUILDING WIDTH AND LENGTH SHALL BE MEASURED FROM THE OUTSIDE OF THE BUILDING WALL PANELS AND THE HEIGHT OF THE BUILDING SHALL BE THE DISTANCE MEASURED FROM THE BOTTOM SURFACE OF THE BASE CHANNEL TO THE EXTERIOR JUNCTURE OF THE ROOF AND SIDE WALL PANELS. THE BUILDING SHALL BE SUPPLIED COMPLETE WITH ALL NECESSARY COMPONENT PARTS, TO FORM A COMPLETE BUILDING SYSTEM AND ALL PARTS SHALL BE NEW AND FREE FROM ALL DEFECTS OR IMPERFECTIONS.

ALL BUILDINGS SHA "SPECIFICATIONS F STEEL STRUCTURA ALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE LATEST EDITION OF AISC FOR STRUCTURAL STEEL BUILDINGS" AND THE AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED

EACH BUILDING SHALL BE DESIGNED FOR THE FOLLOWING LOADS

- 2
- THE VERTICAL LIVE LOAD OF THE BUILDING SHALL NOT BE LESS THAN 40 POUNDS PER SQUARE FOOT APPLIED ON THE HORIZONTAL PROJECTION OF THE ROOF

 THE HORIZONTAL WIND LOAD OF THE BUILDING SHALL NOT BE LESS THAT 110 MPH AND SHALL BE DISTRIBUTED AND APPLIED IN ACCORDANCE WITH THE APPLICABLE EDITION OF THE METAL BUILDING MANUFACTURER'S ASSOCIATION (MBMA) PUBLICATIONS TITLED, "LOW RISE BUILDING SYSTEMS MANUAL".

 THE BUILDING AND PORTION THERE OF SHALL BE DESIGNED TO RESIST THE EFFECTS OF SEISMIC GROUND MOTIONS THAT MIGHT BE EXPECTED IN SEISMIC ZONES.
- REDUCTION OF LOA OF AUXILIARY EQUI APPLICABLE SECTION ADS DUE TO TRIBUTARY LOADED AREAS SHALL NOT BE PERMITTED. ALL COMBINING AND DISTRIBUTING JIPMENT LOADS IMPOSED ON THE BUILDING SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE ION OF THE MBMA PUBLICATIONS TITLED, "LOW RISE BUILDING SYSTEMS MANUAL".

UPON REQUEST, A COMPLETE DESIGN CERTIFICATION SIGNED AND SEALED BY A REGISTER PROFESSIONAL ENGINEER SHALL BE PROVIDED.

PROVIDE ADDITION CONDITIONS. NAL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. WHERE REQUIRED BY COORDINATION AND CONSTRUCTION

NO CLOSE NIPPLE S, BUSHINGS, OR STREET ELBOWS PERMITTED.

PROVIDE SPRINKLERS BELOW ALL EXPOSED DUCTS, COMBINATIONS OF DUCTS OR OTHER OBSTRUCTIONS EXCEEDING 4 FEET IN WIDTH. RUN PIPING PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND OTHER PIPING, NEATLY SPACED WITH PLUMB VERTICAL PIPING.

NO FIELD WELDING PERMITTED. SHOP WELDING SHALL BE PERFORMED ONLY BY CERTIFIED WELDERS

INSTALL SPRINKLER HEADS IN CEILING AREAS, CENTER OF TILE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF SPRINKLER HEADS. ARCHITECT TO DETERMINE FINISHES. ROUND AND INTERIOR PIPING IN ACCORDANCE WITH NFPA 13.

INSTALL SPRINKLERS THROUGHOUT ALL AREAS INCLUDING COMBUSTIBLE CONCEALED SPACES AND IN ACCORDANCE WITH OBSTRUCTION REQUIREMENTS SET FORTH IN NFPA 13.

1370 Broadway, New York, NY 10018 212.695.2422 F 212.695.2423 301 Main Street, Danbury, CT 06810 203.778.1017 F 203.778.1018 FIRE MARSHAL REVIEW
OWNER REVIEW

TOWN OF WESTON

GARAGE SPRINKLERS DEPARTMENT OF PUBLIC WORKS

PROJECT

CONNECTICUT

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TITLE

SPECIFICATIONS SCHEDULES & **PROTECTION** FIRE

FP301 DRAWING